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Seasonal and year-to-year dynamics of phytoplankton in connection with the level regime of the Kuibyshev Reservoir

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Abstract

The results of long-term observations are USED to analyze the seasonal and year-to-year variations of the abundance and biomass of planktonic algae in connection with the seasonal dynamics of water level in the Kuibyshev Reservoir. The dynamics of level regime in the reservoir in combination with climate conditions are a determining factor for phytoplankton development. The adverse effects of eutrophication (in particular, water blooming) can be reduced by maintaining an optimal water level in the reservoir'not below the normal water level (53 m BS) in the summer. © Pleiades Publishing, Ltd. 2009.

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